



NATIONAL
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STATISTICS
SERVICE

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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

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AGRICULTURAL NEWS: The State received scattered rains last week, which helped the crops in some areas. For the week the western part of the State remains short of rain. The central and eastern parts of the State received average and above average amounts respectively. **Topsoil moisture** as of Friday, June 23, was rated 5 percent very short, 22 percent short, 56 percent adequate, and 17 percent surplus. **Subsoil moisture** was rated 6 percent very short, 21 percent short, 64 percent adequate, and 9 percent surplus. With intermittent rain, fieldwork for the week ending June 23, averaged 4.6 days out of a possible 7 days. The majority of fieldwork included baling and hauling hay, intermittent small grain harvest, and side dressing of tobacco.

TOBACCO: Most of the tobacco crop shows only limited disease presence. There have been reports of blue mold in several of the central and the east central counties of the State. Most of the blue mold problem seems to stem from infected plants from out of state. The general appearance of the crop is excellent at this time. The tobacco condition was rated 3 percent poor, 18 percent fair, 64 percent good, and 15 percent excellent. As of Sunday, June 25, 67 percent of transplants were under 12 inches in height, 26 percent 12-24 inches in height, and 7 percent were over 24 inches.

CORN: The corn crop in western Kentucky needs rain to complement the natural rise in the seasonal temperature. There was one report of heavy damage because of an isolated hailstorm in Daviess county. The condition of the corn was rated 3 percent poor, 13 percent fair, 51 percent good, and 33 percent excellent. Twenty percent of the corn has tasseled or is tasseling as of Sunday, June 25, well ahead of last year's 14 percent, but behind the five year

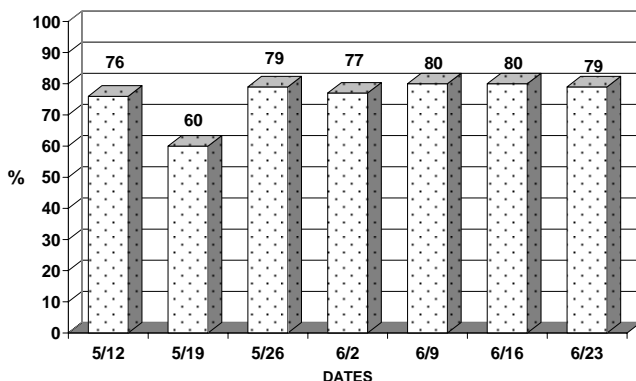
average of 28 percent. Eight percent of the corn has silked or was silking as of Sunday, June 25, this was the same as last year, but behind the five-year average of 15 percent.

SOYBEANS: As of Sunday, June 25, 98 percent of the single-crop soybeans were planted, behind the 100 percent of last year, but ahead of the five-year average of 94 percent. The percent of double-crop soybeans planted was at 56 percent, just behind both last year's 62 percent and the five-year average of 58 percent. The total crop planted is approximately 88 percent. The percent of planted soybeans emerged was 91 percent, just behind last year's 93 percent, but well ahead of the five-year average of 75 percent. There were no reports of soybeans blooming this week. The soybean condition was rated 2 percent poor, 27 percent fair, 53 percent good, and 18 percent excellent. The average soybean emerged height as of Sunday June 25 was 8 inches, just behind last year's average of 12 inches.

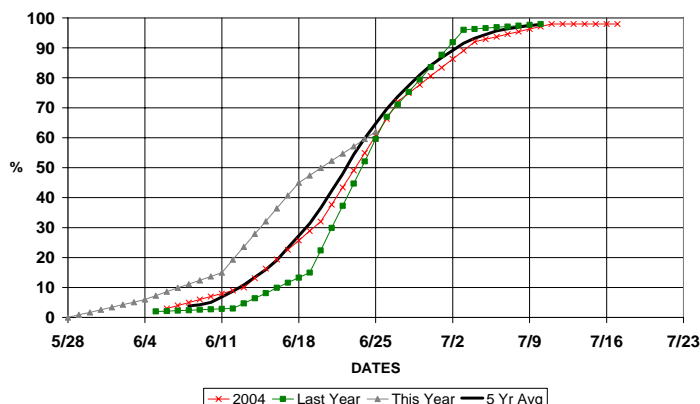
SMALL GRAINS: Wheat combining was 62 percent complete as of Sunday, June 25, just ahead of last year's 60 percent, but behind the five year average of 65 percent. Barley harvested was 94 percent complete as of Sunday, June 25, behind both last year and the five-year average of 97 percent. Excellent wheat yields are anticipated across the wheat growing areas. Showers have delayed some wheat harvesting.

OTHER CROPS: Farmers were dodging intermittent showers to bale and haul hay. Sorghum planting at 91 percent, is slightly behind both last year's 94 percent, and the five-year average of 93 percent. Pasture conditions as of Friday, June 23 was rated 1 percent very poor, 6 percent poor, 25 percent fair, 54 percent good, and 14 percent excellent.

BURLEY TOBACCO CONDITION
% Good to Excellent



WHEAT PERCENT HARVESTED



KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 25, 2006
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week	
				KY	U.S.
Percentage					
Corn Tasseling	20	14	28	7	NA
Corn Silking	8	8	15	2	NA
Sorghum Planted	91	94	93	87	89
Wheat Harvested	62	60	65	45	38
Barley Harvested	94	97	97	89	NA

(NA)Data Not Available.

SOIL MOISTURE

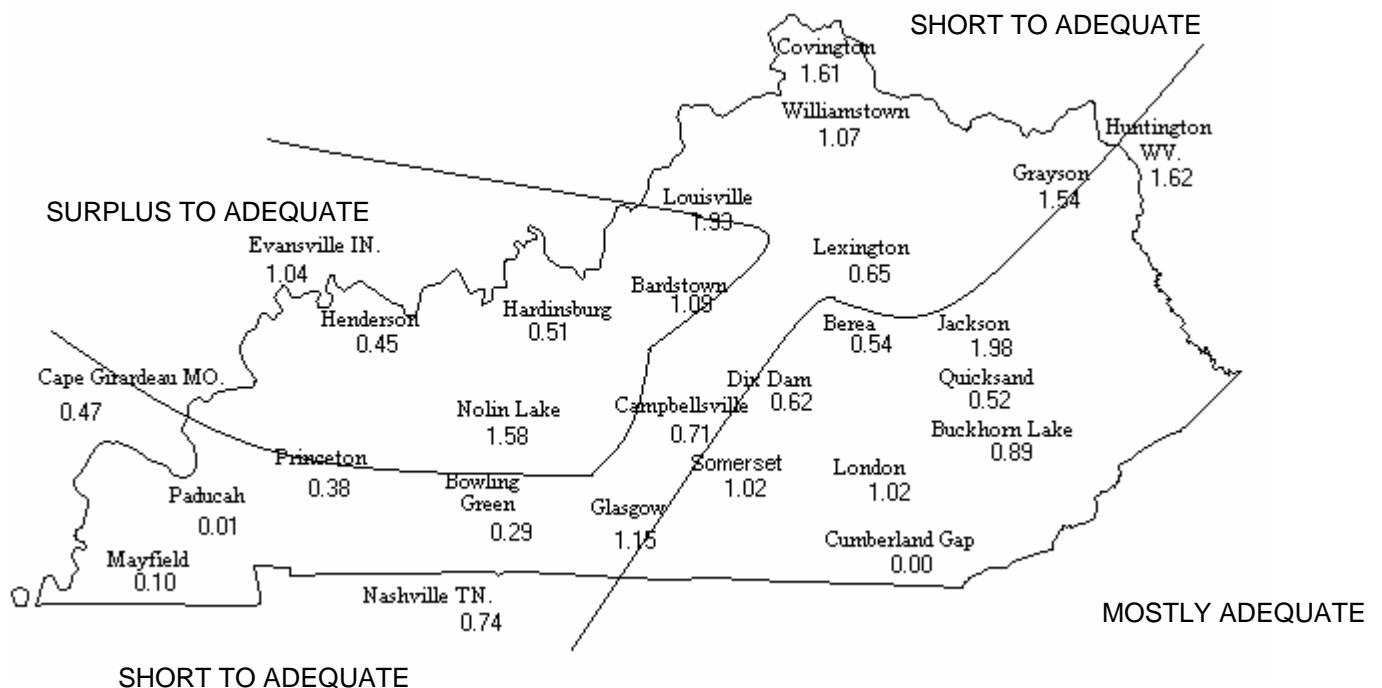
WEEK ENDING JUNE 23, 2006
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	5	4
Short	22	24
Adequate	56	67
Surplus	17	5
SUBSOIL		
Very Short	6	4
Short	21	24
Adequate	64	66
Surplus	9	6

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JUNE 23, 2006						WEEK ENDING JUNE 16, 2006					
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	
Corn	0	3	13	51	33	1	3	18	50	28	
Soybeans	0	2	27	53	18	0	3	32	50	15	
Pasture	1	6	25	54	14	1	5	25	55	14	
Tobacco	0	3	18	64	15	0	2	18	65	15	

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 25, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 23, 2006



KENTUCKY WEATHER SUMMARY, JUNE 19 - 25, 2006:

Above Normal Temperatures and Near Normal Rainfall:

After 3 weeks of below normal rainfall, a stationary front remained in the area for the entire week bringing with it showers and thunderstorms to the Commonwealth. The central and east portions of Kentucky saw the biggest benefit with above normal precipitation while Central Kentucky was near normal and the west below normal. Temperatures during the period were above normal for most of the State during the work week with near normal to below normal temperatures over the weekend.

Temperatures for the period averaged 75 degrees across the State which was 1 degree above normal and 5 degrees above last weeks average. High temperatures averaged from 88 in the West to 84 in the East. Departure from normal high temperatures ranged from near normal in the West to near normal in the East. Low temperatures averaged from 67 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 2 degrees above normal in the West to 1 degree above normal in the East. Extreme high temperatures were in the low 90s with extreme low temperatures in the low 50s.

Precipitation (liq. equ.) for the period totaled 0.85 inches statewide which was 0.04 inches below normal. Precipitation totals by climate division, West 0.41 inches, Central 1.09 inches, Bluegrass 0.84 inches and East 1.07 inches, which was -0.45, +0.17, -0.04 and +0.16 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Cumberland Gap to a high of 1.98 inches at Jackson.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JUNE 25, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	1.09	9.02	2.72	-2.38	-0.76	91	62	75.9	+1	173	1292	-23
Berea	0.54	11.41	3.39	-0.95	-0.37	91	62	74.5	+1	166	1334	-12
Bowling Green	0.29	10.54	2.68	-2.19	-1.27	94	67	78.4	+4	187	1462	+91
Bristol	0.23	11.21	3.07	+1.06	-0.26	92	60	74.5	+1	164	1247	+18
Buckhorn Lake	0.89	10.85	3.08	-0.47	-0.78	88	60	74.4	+1	166	1316	+137
Cape Girardeau	0.47	11.37	1.48	-1.14	-1.91	94	65	79.4	+3	189	1520	+93
Campbellsville	0.71	8.66	1.79	-4.74	-2.18	88	49	70.0	-4	140	1271	-50
Covington	1.61	12.50	3.69	+1.27	+0.08	91	62	75.6	+2	174	1188	+14
Cumberland Gap	0.00	11.46	0.33	-0.98	-3.69	88	60	74.4	+1	166	1282	+78
Dix Dam	0.62	10.17	1.71	-1.85	-1.81	83	52	70.1	-4	140	1222	-93
Evansville	1.04	12.90	4.65	+1.22	+1.28	92	64	78.3	+2	188	1429	+88
Glasgow	1.15	13.08	3.90	-0.36	-0.42	95	65	77.8	+3	181	1478	+192
Grayson	1.54	11.77	4.38	+0.68	+0.77	83	50	69.0	-5	131	1216	+98
Hardinsburg	0.51	11.59	2.82	-0.75	-0.81	90	53	75.1	+1	170	1304	-67
Henderson	0.45	10.70	2.07	-1.27	-1.53	84	53	71.0	-5	146	1307	-64
Huntington	1.62	11.12	5.28	+0.18	+1.78	92	62	75.2	+2	172	1305	+101
Jackson	1.98	11.19	3.01	-0.57	-0.61	91	60	74.9	+1	168	1355	+176
Lexington	0.65	10.44	2.23	-0.96	-1.25	92	62	76.1	+2	174	1240	+41
London	1.02	11.84	2.73	+0.64	-0.70	92	59	74.8	+1	167	1286	+82
Louisville	1.93	14.70	5.29	+2.97	+1.96	92	64	76.6	+2	178	1282	-59
Mayfield	0.10	10.31	2.29	-2.56	-1.00	88	60	74.4	-2	166	1282	-150
Nashville	0.74	10.99	1.91	-1.24	-1.54	95	67	79.8	+5	193	1603	+146
Nolin Lake	1.58	13.07	3.12	-0.21	-0.68	85	52	70.8	-4	145	1295	+30
Paducah	0.01	13.15	4.25	-0.17	+0.40	93	65	80.1	+4	196	1567	+140
Princeton	0.38	11.45	3.33	-1.52	-0.36	97	66	79.2	+3	186	1500	+99
Quicksand	0.52	7.94	1.55	-3.82	-2.07	88	60	74.4	+1	166	1278	+99
Somerset	1.02	12.06	3.35	-0.89	-0.67	92	59	75.4	+2	169	1259	-31
Spindletop	0.52	8.24	1.81	-3.16	-1.67	91	62	74.6	+1	167	1200	+1
Williamstown	1.07	12.13	3.38	+0.43	-0.19	82	53	70.4	-3	140	1156	-43

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES

CORN PHENOLOGICAL STAGES:

- Silking - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

SOYBEAN PHENOLOGICAL STAGES:

- Blooming - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

SORGHUM PHENOLOGICAL STAGES:

- Headed - The head is present, visible and fully emerged.
- Coloring - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature - Grains readily part from the head and are tough and not easily crushed by the thumbnail.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.
